

SUBSTITUTE NAMES FOR SOME EXTINCT GENERA OF FOSSIL INSECTS*

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During the preparation of the hexapod volume of the Treatise on Invertebrate Paleontology, now in press†, several junior homonyms were noted among the extinct genera. This seems to be an appropriate occasion to propose substitute names for these homonyms. In those instances in which the authors are still living, I have already called their attention to the homonymy, with the suggestion that they propose names of their own choice. In some other cases replacement names are already available, through synonymy, and these are being proposed in the hexapod volume of the Treatise. Most of the homonyms, however, require new names, and since the current editorial policy of the Treatise excludes the proposal of new names of taxa in that work, the present article is intended to meet that need. It consists of proposals of new generic names to replace certain names that are not being taken care of elsewhere. The gender of each new name is the same as that of the original one. The names proposed here are in the orders Palaeodictyoptera, Odonata, Diptera, Hymenoptera, Coleoptera, and Lepidoptera.

ORDER PALAEODICTYOPTERA

Family uncertain

Boltonocosta, *nomen novum pro* ORTHOCOSTA Bolton, 1912, p. 310, *non* Fritsch, 1879, p. 28. Type-species: *Orthocosta splendens* Bolton, 1912, original designation, becomes *Boltonocosta splendens* (Bolton), new combination. The genus is known only from the Upper Carboniferous of England.

Eurydictyella, *nomen novum pro* EURYDICTYA Guthörl, 1934, p. 49, *non* Ulrich, 1889, p. 301. Type-species: *Eurydictya*

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richteri Guthörl, 1934, original designation, becomes *Eurydictyella richteri* (Guthörl), new combination. The genus is known only from the Upper Carboniferous of Germany.

ORDER ODONATA

Family Aeshnidae

Neoligaeschna, *nomen novum pro* OLIGOAESCHNA Piton & Theobald, 1939, p. 6, *non* Selys, 1889, p. 160. Type-species: *Oligoaeschna jungi* Piton & Theobald, 1939, original designation, becomes *Neoligaeschna jungi* (Piton & Theobald), new combination. The genus is known only from the Oligocene of France.

ORDER DIPTERA

Family Architipulidae

Leptotipuloides, *nomen nudum pro* LEPTOTIPULA Bode, 1953, p. 312, *non* Alexander, 1917, p. 160. Type species: *Leptotipula fastigata* Bode 1953, original designation, becomes *Leptotipuloides fastigata* (Bode), new combination. The genus is known only from the Jurassic of Germany.

Family Bibionidae

Lithosomyia, *nomen novum pro* MESOMYIA Pongracz, 1928, p. 174, *non* Macquart, 1849, p. 341. Type-species: *Bibio brevis* Heer, 1849, p. 225, SD Carpenter, herein, becomes *Lithosomyia brevis* (Heer), new combination. The genus is known by several species from the Miocene of Croatia.

Family Rachiceridae

Trecela, *nomen novum pro* ELECTRA Loew, 1850, p. 38, *non* Stevens, 1831, p. 278. Type-species: *Electra formosa* Loew, 1850, original designation, becomes *Trecela formosa* (Loew), new combination. The genus is known only from the Lower Oligocene of the Baltic amber, The name *Trecela* is an anagram of *Electra* and is considered feminine.

ORDER HYMENOPTERA

Family Eumenidae

Eunortonia, *nomen novum pro* PSEUDONORTONIA Timon-David, 1944, p. 41, *non* Soika, 1936, p. 168. Type-species: *Pseudonortonia sepulta* Timon-David, 1944, original designation, becomes *Eunortonia sepulta* (Timon-David), new combination. The genus is known only from the Oligocene of France.

Family Chrysididae

Protochrysidis, *nomen novum pro* PROTOCHYSIS Bischoff, 1917, p. 139, *non* Pascher, 1911, p. 191. Type-species: *Protochrysis succinalis* Bischoff, 1917, original designation, becomes *Protochrysidis succinalis* (Bischoff), new combination. The genus is known only from the Lower Oligocene of the Baltic amber.

ORDER COLEOPTERA

Family Curculionidae

Oligocryptus, *nomen novum pro* EUCRYPTUS Scudder, 1893, p. 63, *non* Haldeman, 1842, p. 191. Type-species: *Eucryptus sectus* Scudder, 1893, original designation, becomes *Oligocryptus sectus* (Scudder), new combination. The genus is known only from the *Oligocene* of Colorado.

Sitonitellus, *nomen novum pro* SITONITES Haupt, 1956, p. 80, *non* Heer, 1865, p. 90. Type-species: *Sitonites egregius* Haupt, 1956, original designation, becomes *Sitonitellus egregius* (Haupt), new combination. The genus is known only from the Eocene of Germany.

Family unknown

Aptilotitus, *nomen novum pro* APTILOTUS Bode, 1953, p. 237, *non* Mik, 1898, p. 206. Type-species: *Aptilotus capitecarens* Bode, 1953, original designation, becomes *Aptilotitus capitecarens* (Bode), new combination. The genus is known only from the Jurassic of Germany.

Auchenophorites, *nomen novum pro* AUCHENOPHORUS Bode, 1953, p. 229, *non* Turner, 1907, p. 270. Type-species: *Auchenophorus sculpturatus* Bode, 1953, original designation, becomes *Auchenophorites sculpturatus* (Bode), new combination. The genus is known only from the Jurassic of Germany.

Barocephalus, *nomen novum pro* BARYCEPHALUS Bode, 1953, p. 228, *non* Guenther, 1860, p. 149. Type-species: *Barycephalus nudatus* Bode, 1953, original designation, becomes *Barocephalus nudatus* (Bode). The genus is known only from the Jurassic of Germany.

Clinomerus, *nomen novum pro* CATOMERUS Handlirsch, 1939, p. 67, *non* Pilsbry, 1916, p. 395. Type-species: *Catomerus laticollis* Handlirsch, 1939, original designation, becomes

Clinomerus laticollis (Handlirsch), new combination. The genus is known only from the Jurassic of Germany.

Critoderma, *nomen novum pro* CYCLODERMA Heer, 1865, p. 89, *non* Peters, 1854, p. 216. Type-species: *Cycloderma deplanatum* Heer, 1865, original designation, becomes *Critoderma deplanatum* (Heer), new combination. The genus is known only from the Jurassic of Switzerland.

Critotrachelus, *nomen novum pro* CYCLOTRACHELUS Bode, 1953, p. 222, *non* De Chaudoir, 1838, p. 27. Type-species: *Cyclotrachelus exsecatus* Bode, 1953, original designation, becomes *Critotrachelus exsecatus* (Bode), new combination. The genus is known only from the Jurassic of Germany.

Dicyphelus, *nomen novum pro* DICYPHUS Bode, 1953, p. 234, *non* Fieber, 1858, p. 327. Type-species: *Dicyphus concameratus* Bode, 1953, original designation, becomes *Dicyphelus concameratus* (Bode), new combination. The genus is known only from the Jurassic of Germany.

Eurynotellus, *nomen novum pro* EURYNOTUS Bode, 1953, p. 207, *non* Kirby, 1819, p. 418. Type-species: *Eurynotus brevicollis* Bode, 1953, original designation, becomes *Eurynotellus brevicollis* (Bode), new combination. The genus is known only from the Jurassic of Germany.

Heeriaopsis, *nomen novum pro* HEERIELLA Handlirsch, 1906, p. 401, *non* Meunier, 1904, p. 86. Type-species: *Elytridium laevigatum* Heer, 1878, p. 196, original designation, becomes *Heeriaopsis laevigatum* (Handlirsch), new combination. The genus is known only from the Triassic of Sweden.

Mesolobites, *nomen novum pro* LOBITES Dunstan, 1923, p. 53, *non* Mojsisovics, 1873, p. 155. Type species: *Lobites tuberculatus* Dunstan, 1923, original designation, becomes *Mesolobites tuberculatus* (Dunstan), new combination. The genus is known only from the Triassic of Australia.

Mesoncus, *nomen novum pro* LOXONCUS Bode, 1953, p. 218, *non* Schmidt-Goebel, 1846, p. 4. Type-species: *Loxoncus procerus* Bode, 1953, original designation, becomes *Mesoncus procerus* (Bode), new combination. The genus is known only from the Jurassic of Germany.

Oligo-*varus*, *nomen novum pro* VARUS Schlechtendahl, 1894, p. 209 *non* Stål, 1865, p. 141. Type-species: *Varus ignotus* Schlechtendahl, 1894, original designation, becomes *Oligo-*

varus ignotus (Schlechtendahl), new combination. The genus is known only from the Oligocene of Germany.

Ooidellus, *nomen novum pro* OOIDES Bode, 1953, p. 234, *non* Agassiz, 1846 (Index, p. 260). Type-species: *Ooides denudatus* Bode, 1953, original designation, becomes *Ooidellus denudatus* (Bode), new combination. The genus is known only from the Jurassic of Germany.

Parnosoma, *nomen novum pro* PEDINOSOMA Bode, 1953, p. 235, *non* Reibisch, 1893, p. 252. Type-species: *Pedinosoma detectum* Bode, 1953, original designation, becomes *Parnosoma dectectum* (Bode), new combination. The genus is known only from the Jurassic of Germany.

Peridosoma, *nomen novum pro* PEROSOMA Bode, 1953, p. 217, *non* Bronn, 1862, p. 135. Type-species: *Perosoma praecisum* Bode, 1953, original designation, becomes *Peridosoma praecism* (Bode), new combination. The genus is known only from the Jurassic of Germany.

ORDER LEPIDOPTERA

Family Nymphalidae

Jupitellia, *nomen novum pro* JUPITERIA Scudder, 1889, p. 488, *non* Bellardi, 1875, p. 20. Type-species: *Jupiteria charon* Scudder, 1889, original designation, becomes *Jupitellia charon* (Scudder), new combination. The genus is known only from the Oligocene of Colorado, U.S.A.

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